

Moving to...

***FOCUSED ALLOWANCE
MAINTENANCE
STRATEGY
(FAMS)***

***DECISION PROCESS
UPDATE***

Interim
FLSIC
Nov '01

ALLOWANCES

The FORCE for CHANGE

PR 99

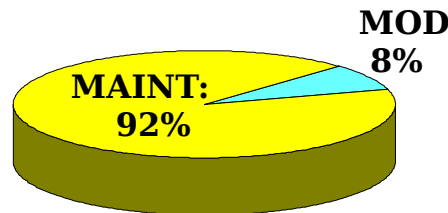
2 Types of Allowances -- 2 Methods of Getting

to Fleet
↓

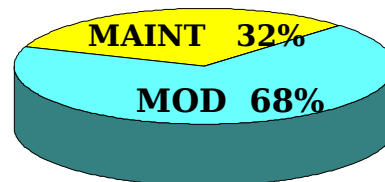
Modernization
Maintenance →

↓
Bi-weekly ~~Asst~~
COSAL st
ROI

~~COSAL CHURN~~



COSAL



Bi weekly
ASI

TARGET: ALLOWANCE MAINTENANCE - Revised allowances for existing equipment

installations ... CHURN
with little ROI!

Expense of a “revised bag of spare parts” 2

ALLOWANCES

CDP/ACP

- Initial Solution ... “Bounding”
 - Fix ships with greatest need vs. traditional “ship availability schedules and periodicity”
 - promulgate modernization allowances via ASI
- Tools and Methods
 - COSAL Scheduling Metrics (CSM)
 - Allowance Control Panel (ACP - WEB based)
 - TYCOMs are decision makers

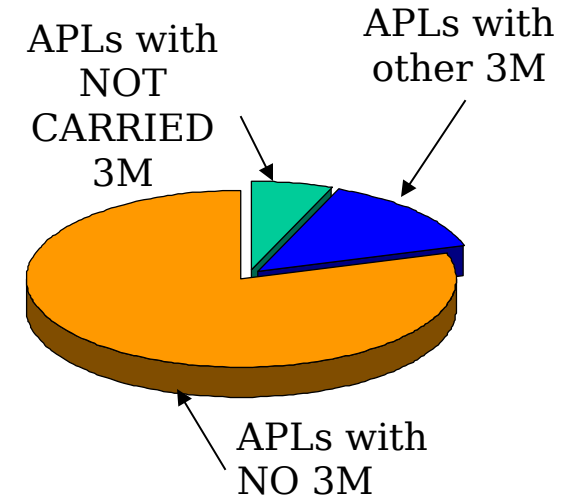
**Reducing the number of COSALs, reduces Gross Churn
But, NOT the amount of Churn in each COSAL!**

CILS IAI

Reducing Churn & Increasing ROI

Key Attributes

- Limits New Allowances to APLs that have had 3M “Not Carried” Usage (Problem Equipment)
- Limits Deletes/Decreases to Items Unique to APLs with No Reported 3M Usage
- Holds Allowances Constant for Remainder



Based on 24/36 Mos of 3M d

- Approved Re-COSALing Process ... NAVSEA MSG R100433Z Jun 98
 - Slightly Better Effectiveness @ Half the Cost & Half the Churn
 - **“FIX” Twice as Many Ships...Doing more with Less**
- Performance through Oct ‘01:
 - 102 Ships since January 1999

Allowance Churn Reduction Initiative

Controlling ASI 'Churn'

- Identified Causative Factors
 - Logistics Support Requests
 - New & Revised APLs
 - APL Pen & Ink Updates
 - APL Supercessions
- Assessed ROI
 - Determined Allowance Effectiveness Impact of Revised Allowances
 - Result: .2% Increase in AE at a Cost of \$12.8M per Annum



Minimal Payback at High Cost...Poor ROI

Allowance Churn Reduction Initiative

Controlling ASI 'Churn'

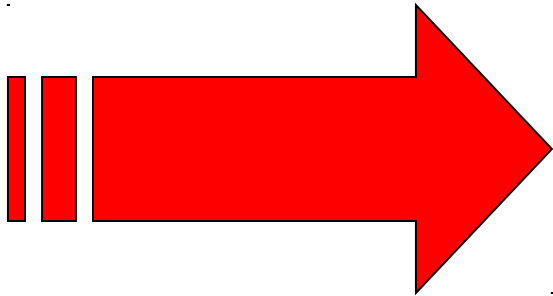
- ACRI Solution
 - Approved NAVSEA Msg 011128Z Nov 99
 - Stop allowance generation for Revised APLs, Pen & Inks, and Logistics Support Requests
 - Exceptions: RBS Updates, Reconciliations, New RICs, Selected Overrides, Specific APLs/Ships
 - Continue to generate maintenance and technical data
- Observed Impact
 - <0.1% Allowance Effectiveness Reduction (Jan'00 – Jun'01)

INVESTMENT STRATEGY FOR TOMORROW'S READINESS






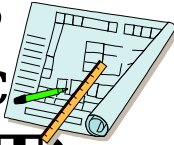
Traditional

• Random
Churn

• Small
ROI



New & Emerging

- CSM / CILS-TAT 
- Problem Equipment
- Problem Ships
- ACIP 
- Specific Parts
- Specific Ships
- System Allowance Technique (SAT) 
- Specific Equipment
- Ship Class/Fleetwide

*Disciplined Quantitative Approach
Redirecting Resources to Achieve Greater
Readiness Impact!*

System Allowance Technique

Background

• **Develop Analytical Approach/Process to Identify Trouble Equipment/Systems**

- Evaluate two years worth of Supply Issue and Maintenance records for Fleet & ship class/ship group by JCN where:
 - Deferral Reason Code = 2 (deferred due to lack of parts)
 - Source code = G or J (parts are “not carried”)
- Filter out Unidentifiable, Miscellaneous, Bald APLs & Non-Critical APLs/System
- Stratify data by Maintenance EIC (System) Across Ship Class/Group
- Normalize Nbr of Deferred Maint Actions by EIC (System) Population
 - Sort by average number of “normalized” DMA's for EICs in⁸

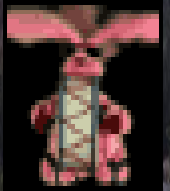
System Allowance Technique

Background

- Additional Drilldown Information on Target Systems by APL & NIIN
 - Number of NC
 - CASREPs by Severity
 - Technical Data (Maintenance Coding)
 - Modernization
 - % of Ships in Class/Group with NC & DMA

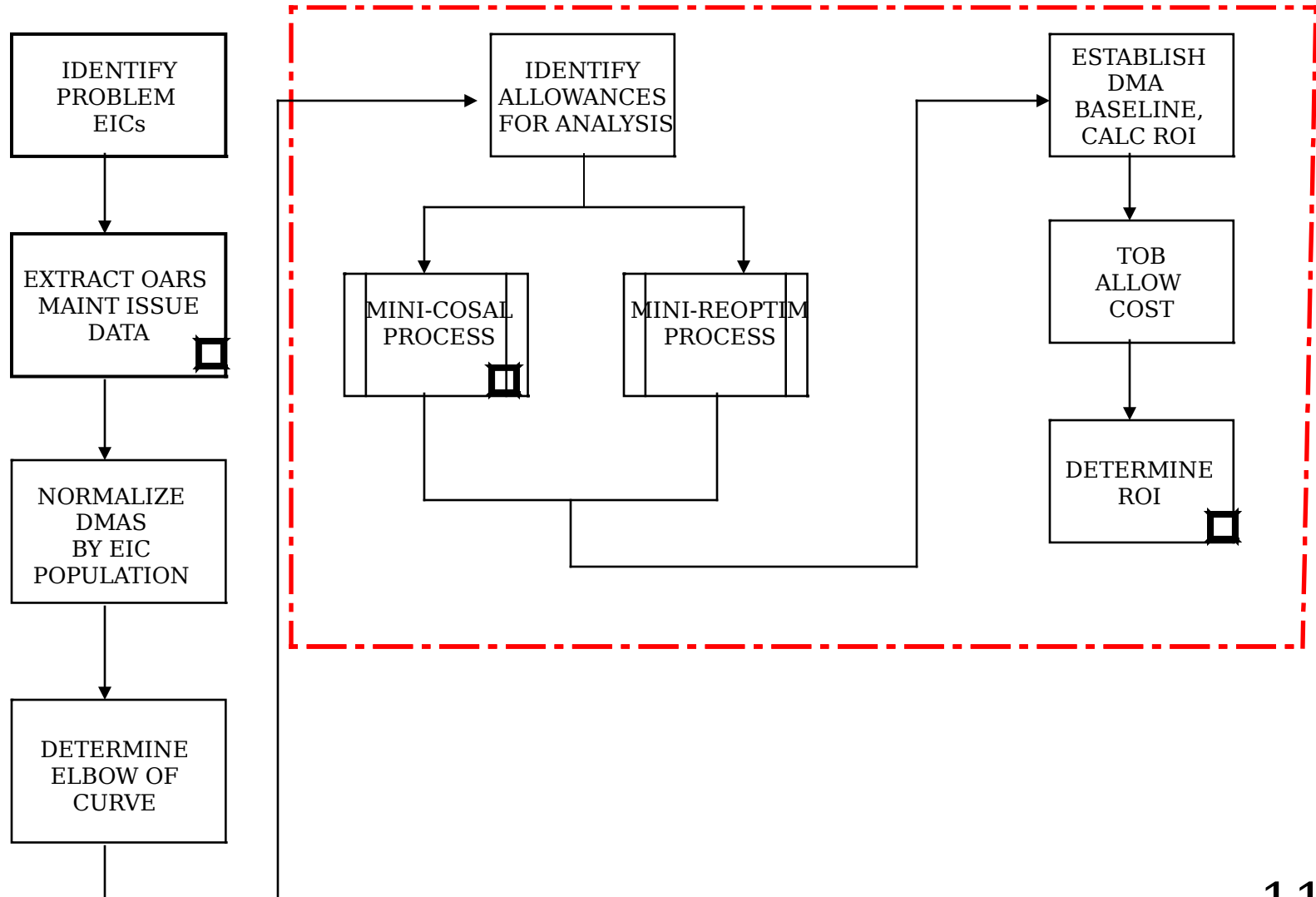
System Allowance Technique Background

- The Road Ahead...
 - **Finalize Analytical Approach/Process for Troubled Systems**
 - **Develop Decision Tool/Forum**
 - Expand COSAL Scheduling Metrics...CSM
 - System/Equipment/Part Analysis & Recommendations including...
 - » Assessing Impact of Re-Allowancing
 - » Identifying Candidates for ISEA Referral
 - Cost Estimator...CILS TAT & Trouble Equip/Systems
 - Expand Allowance Control Panel...ACP
 - TYCOM/CINC Menu Selections for Final Decisions



System Allowance Technique

Re-Allowancing Assessment



System Allowance Technique

Mini-COSAL Vs Mini-ReOptimization

- Choosing the best process for System Re-Allowancing
 - Mini-COSAL
 - System Application/Population Only
- **OR**
- Mini-ReOptimization
 - Total Ship Application/Population
- Determine ROI based on...
 - Cost of New Allowances
 - DMA Avoided
- Rank systems

SAT Test – SSN 688 Class

Mini-COSAL

Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
M31H000	AN/WIC-2B(V), INTERCOMMUNICATION SYSTEM	26	109	\$2,641.36	37	36	1	15.49%	13.79%	1.70%	\$2,461.36
T503000	REFRIGERATION PLANT, DIRECT EXPANSION (R-12)	25	209	\$23,456.26	26	23	3	12.66%	11.67%	0.99%	\$7,818.75
TF01000	AIR SY STEMS, HIGH PRESSURE	26	456	\$128,196.49	128	116	12	7.63%	6.11%	1.53%	\$10,683.04
TH0D000	PRESSURE DRAIN SY STEM, HIGH PRESSURE	26	35	\$20,491.63	17	16	1	3.65%	3.15%	0.50%	\$20,491.63
T311000	CO2 REMOVAL SYSTEM, MK 3	26	183	\$165,839.80	65	59	6	15.59%	12.41%	3.18%	\$27,639.97
JGV1000	LAUNCHER, VERTICAL	16	193	\$40,916.82	41	40	1	6.52%	6.28%	0.23%	\$40,916.82
HM00000	COMMAND SY STEMS, TACTICAL	26	98	\$234,249.97	23	19	4	51.30%	40.16%	11.14%	\$58,562.49
TG01000	PLANT, OXY GEN GENERATING, ELECTROLY TIC	26	591	\$334,697.90	42	39	3	8.25%	7.98%	0.27%	\$111,565.96
TK01000	DISTILLING PLANT, LOW PRESSURE SUBMERGED TUBE/BASKET	26	326	\$121,497.47	73	72	1	17.49%	17.47%	0.02%	\$121,497.47
N871000	ANWLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26	332	\$1,006,928.32	34	30	4	39.47%	33.60%	5.87%	\$251,732.07
LB3E000	ANWSN-2, GYROCOMPASS SET, STABILIZED	16	198	\$508,726.05	9	7	2	39.11%	35.06%	4.06%	\$254,363.02
TB04000	COOLING WATER, ELECTRONICS, DW/CW	26	331	\$68,308.24	28	28	0	11.40%	11.40%	0.00%	\$0.00
JGV2000	CAPSULE, TOMAHAWK MISSLE	16	27	\$379.15	11	11	0	48.86%	48.86%	0.00%	\$0.00
310D000	LUBE OIL SYSTEM	26	70	\$8,771.80	16	16	0	12.97%	12.97%	0.00%	\$0.00
410L000	SWITCHBOARD, BALLAST CONTROL	26	0	\$3.12	20	20	0	31.59%	31.59%	0.00%	\$0.00
4707000	MOTOR-GENERATOR SET, 60HZ TO DC AND DC TO 60HZ (SUB)	26	171	\$116,362.29	23	23	0	12.19%	12.19%	0.00%	\$0.00
JG67000	TUBE, TORPEDO, 21 IN SUBMERGED, MK 67 (BOW)	26	85	\$187,185.58	18	18	0	8.39%	8.39%	0.00%	\$0.00
LE0G000	PERISCOPE TYPE 18B	26	47	\$14,810.21	24	24	0	20.12%	20.12%	0.00%	\$0.00
T302000	ANALY ZER, ATMOSPHERE (CAM), MK 1	26	68	\$31,204.71	35	35	0	39.09%	39.09%	0.00%	\$0.00
T30T000	BURNERS, CARBON-HY DROGEN (COH2)	26	3	\$22,972.56	14	14	0	19.16%	19.16%	0.00%	\$0.00

Contributors to
ROI

SAT Test – SSN 688 Class

Mini-COSAL with Addbacks

Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
M31H000	AN/WIC-2B(V), INTERCOMMUNICATION SYSTEM	26			37			15.49%			
T503000	REFRIGERATION PLANT, DIRECT EXPANSION (R-12)	25			26			12.66%			
TF01000	AIR SYSTEMS, HIGH PRESSURE	26			128			7.63%			
TH0D000	PRESSURE DRAIN SYSTEM, HIGH PRESSURE	26			17			3.65%			
T311000	CO2 REMOVAL SYSTEM, MK 3	26			65			15.59%			
TB04000	COOLING WATER, ELECTRONICS, DW/CW	26	1186	\$201,497.47	28	21	7	11.40%	10.68%	0.73%	\$28,785.35
JGV1000	LAUNCHER, VERTICAL	16			41			6.52%			
HM00000	COMMAND SYSTEMS, TACTICAL	26			23			51.30%			
TG01000	PLANT, OXYGEN GENERATING, ELECTROLYTIC	26			42			8.25%			
TK01000	DISTILLING PLANT, LOW PRESSURE SUBMERGED TUBE/BASKET	26			73			17.49%			
N871000	AN/WLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26			34			39.47%			
LB3E000	AN/WSN-2, GYROCOMPASS SET, STABILIZED	16			9			39.11%			
JGV2000	CAPSULE, TOMAHAWK MISSILE	16	104	\$22,136.61	11	11	0	48.86%	45.45%	3.41%	\$0.00
310D000	LUBE OIL SYSTEM	26			16			12.97%			
410L000	SWITCHBOARD, BALLAST CONTROL	26			20			31.59%			
4707000	MOTOR-GENERATOR SET, 60HZ TO DC AND DC TO 60HZ (SUB)	26			23			12.19%			
JG67000	TUBE, TORPEDO, 21 IN SUBMERGED, MK 67 (BOW)	26			18			8.39%			
LE0G000	PERISCOPE TYPE 18B	26			24			20.12%			
T302000	ANALYZER, ATMOSPHERE (CAM), MK 1	26			35			39.09%			
T30T000	BURNERS, CARBON-HYDROGEN (COH2)	26			14			19.16%			

Contributes to ROI

SAT Test – SSN 688 Class

Mini-Reoptimization with Addbacks

Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
M31H000	AN/WIC-2B(V), INTERCOMMUNICATION SYSTEM	26			37			15.49%			
T503000	REFRIGERATION PLANT, DIRECT EXPANSION (R-12)	25			26			12.66%			
TF01000	AIR SYSTEMS, HIGH PRESSURE	26			128			7.63%			
TH0D000	PRESSURE DRAIN SYSTEM, HIGH PRESSURE	26			17			3.65%			
T311000	CO2 REMOVAL SYSTEM, MK 3	26			65			15.59%			
TB04000	COOLING WATER, ELECTRONICS, DW/CW	26	1293	\$250,535.04	28	21	7	11.40%	10.68%	0.73%	\$35,790.72
JGV1000	LAUNCHER, VERTICAL	16			41			6.52%			
HM00000	COMMAND SYSTEMS, TACTICAL	26			23			51.30%			
TG01000	PLANT, OXYGEN GENERATING, ELECTROLYTIC	26			42			8.25%			
TK01000	DISTILLING PLANT, LOW PRESSURE SUBMERGED TUBE/BASKET	26			73			17.49%			
N871000	ANWLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26			34			39.47%			
LB3E000	ANWSN-2, GYROCOMPASS SET, STABILIZED	16			9			39.11%			
JGV2000	CAPSULE, TOMAHAWK MISSILE	16	104	\$22,136.61	11	11	0	48.86%	45.45%	3.41%	\$0.00
310D000	LUBE OIL SYSTEM	26			16			12.97%			
410L000	SWITCHBOARD, BALLAST CONTROL	26			20			31.59%			
4707000	MOTOR-GENERATOR SET, 60HZ TO DC AND DC TO 60HZ (SUB)	26			23			12.19%			
JG67000	TUBE, TORPEDO, 21 IN SUBMERGED, MK 67 (BOW)	26			18			8.39%			
LE0G000	PERISCOPE TYPE 18B	26			24			20.12%			
T302000	ANALYZER, ATMOSPHERE (CAM), MK 1	26			35			39.09%			
T30T000	BURNERS, CARBON-HYDROGEN (COH2)	26			14			19.16%			

Contributes to ROI

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TYCOM Test – SSN 688 Class

Mini-COSAL

SAT Selected ?	Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
✓	TF01000	AIR SYSTEMS, HIGH PRESSURE	26	456	\$128,196.49	128	116	12	7.63%	6.11%	1.53%	\$10,683.04
✓	TF03000	AIR SYSTEMS, LOW AND MEDIUM PRESSURE	26	220	\$30,427.11	53	51	2	10.41%	10.20%	0.21%	\$15,213.56
✓	TG01000	PLANT, OXY GEN GENERATING, ELECTROLYTIC	26	591	\$334,697.90	42	39	3	8.25%	7.98%	0.27%	\$111,565.96
	N871000	AN/WLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26	332	\$1,006,928.32	34	30	4	39.47%	33.60%	5.87%	\$251,732.07
	TK07000	DESALINATION UNIT, REVERSE OSMOSIS	1	0	\$0.00	0	0	0	44.44%	44.44%	0.00%	\$0.00
	FH01000	MOTOR, AC, SECONDARY PRPLN UNIT, SUBMARINE	51	4	\$373.99	0	0	0	53.13%	53.13%	0.00%	\$0.00
	T706000	PIPING AND VALVE GROUP	26	108	\$18,281.81	20	20	0	13.06%	13.06%	0.00%	\$0.00
✓	T30T000	BURNERS, CARBON-HYDROGEN (COH2)	26	3	\$22,972.56	14	14	0	19.16%	19.16%	0.00%	\$0.00
	R1B2000	AN/BQQ-10(V)2, TACTICAL SONAR SYSTEM	1	4	\$87,192.85	3	3	0	16.67%	16.67%	0.00%	\$0.00
	R16Z000	OK-418/BQ, HANDLING AND STOWAGE GROUP, TOWED ARRAY	8	39	\$930.92	9	9	0	29.83%	25.63%	4.20%	\$0.00
	QP3P000	AN/JSC-38(V), TERMINAL, SATELLITE COMMUNICATION	14	91	\$551,105.56	6	6	0	56.86%	56.86%	0.00%	\$0.00
	P16L000	AN/BPS-15F, RADAR SET	4	11	\$76.45	5	5	0	50.55%	50.55%	0.00%	\$0.00
	N91A000	AN/BRD-7, FINDER SET, DIRECTION	26	6	\$232.19	8	8	0	62.02%	62.02%	0.00%	\$0.00

Contributes to ROI

TYCOM Test – SSN 688 Class

Mini-COSAL with Addbacks

SAT Selected?	Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
✓	TF01000	AIR SYSTEMS, HIGH PRESSURE	26			128			7.63%			
✓	TF03000	AIR SYSTEMS, LOW AND MEDIUM PRESSURE	26			53			10.41%			
✓	TG01000	PLANT, OXYGEN GENERATING, ELECTROLYTIC	26			42			8.25%			
	N871000	AN/WLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26			34			39.47%			
	TK07000	DESALINATION UNIT, REVERSE OSMOSIS	1	8	\$489.94	0	0	0	44.44%	44.44%	0.00%	\$0.00
	FH01000	MOTOR, AC, SECONDARY PRPLN UNIT, SUBMARINE	51						53.13%			
	T706000	PIPING AND VALVE GROUP	26			20			13.06%			
✓	T30T000	BURNERS, CARBON-HYDROGEN (COH2)	26			14			19.16%			
	R1B2000	AN/BQQ-10(V)2, TACTICAL SONAR SYSTEM	1			3			16.67%			
	R16Z000	OK-418/BQ, HANDLING AND STOWAGE GROUP, TOWED ARRAY	8			9			29.83%			
	QP3P000	AN/USC-38(V), TERMINAL, SATELLITE COMMUNICATION	14			6			56.86%			
	P16L000	AN/BPS-15F, RADAR SET	4			5			50.55%			
	N91A000	AN/BRD-7, FINDER SET, DIRECTION	26			8			62.02%			

Contributes to ROI

TYCOM Test – SSN 688 Class

Mini-Reoptimization with Addbacks

SAT Selected ?	Maint EIC	EIC_Nomenclature	#UICs	#TOB Allow Add	Total TOB Cost	#DMA	Recalc DMA	DMA Avoided	NC Rate	Recalc NC Rate	Pot NC Decrease	ROI
✓	TF01000	AIR SY STEMS, HIGH PRESSURE	26			128			7.63%			
✓	TF03000	AIR SY STEMS, LOW AND MEDIUM PRESSURE	26			53			10.41%			
✓	TG01000	PLANT, OXY GEN GENERATING, ELECTROLYTIC	26			42			8.25%			
	N871000	AN/WLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26			34			39.47%			
	TK07000	DESALINATION UNIT, REVERSE OSMOSIS	1	7	\$256.14	0	0	0	44.44%	44.44%	0.00%	\$0.00
	FH01000	MOTOR, AC, SECONDARY PRPLN UNIT, SUBMARINE	51			0			53.13%			
	T706000	PIPING AND VALVE GROUP	26			20			13.06%			
✓	T30T000	BURNERS, CARBON-HY DROGEN (COH2)	26			14			19.16%			
	R1B2000	AN/BQQ-10(V)2, TACTICAL SONAR SYSTEM	1			3			16.67%			
	R16Z000	OK-418/BQ, HANDLING AND STOWAGE GROUP, TOWED ARRAY	8			9			29.83%			
	QP3P000	AN/USC-38(V), TERMINAL, SATELLITE COMMUNICATION	14			6			56.86%			
	P16L000	AN/BPS-15F, RADAR SET	4			5			50.55%			
	N91A000	AN/BRD-7, FINDER SET, DIRECTION	26			8			62.02%			

Contributes to ROI

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System Allowance Technique

SAT vs. TYCOM-SELECTED

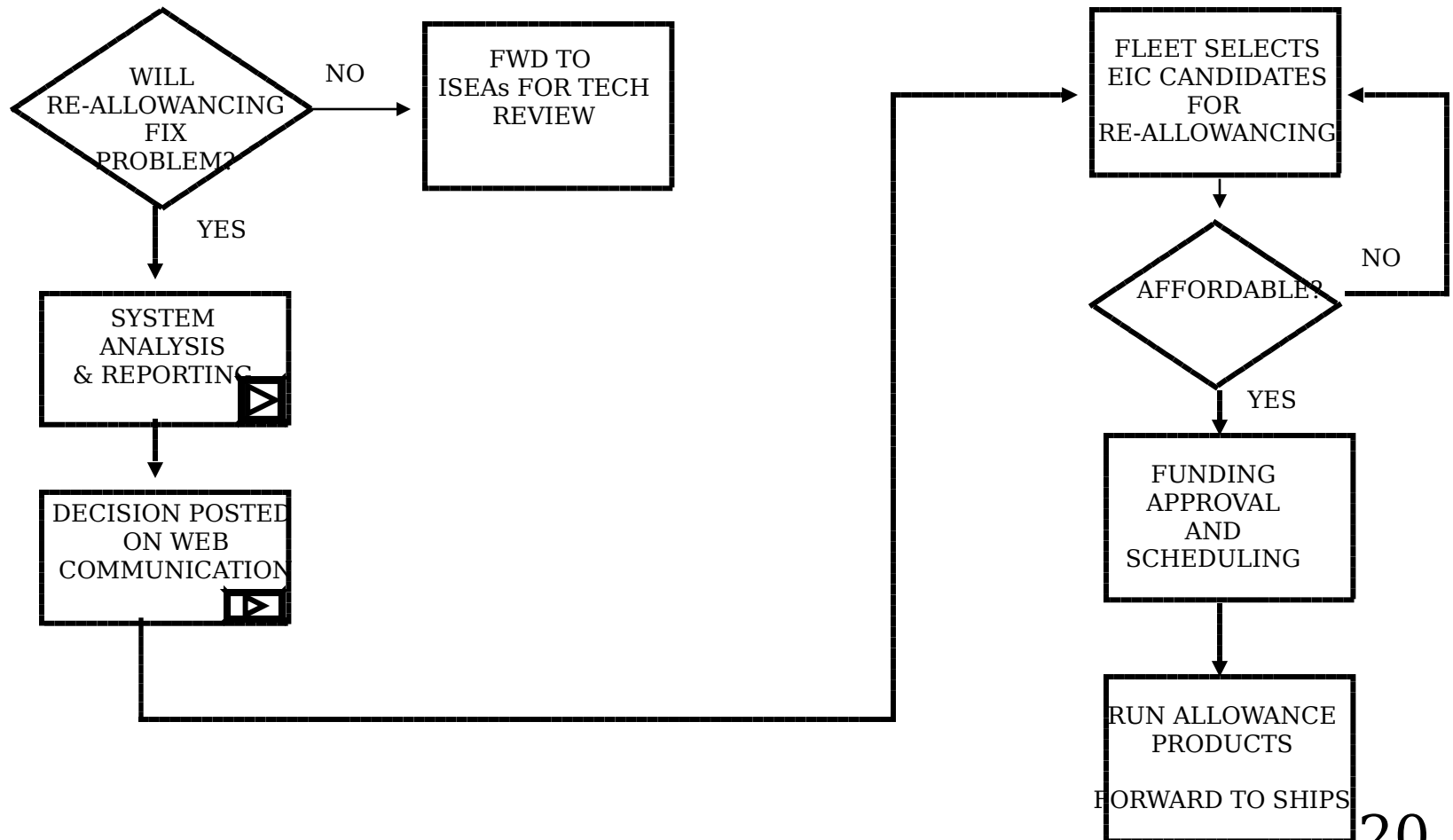
Preliminary Findings

- SAT identified Systems more likely to be fixed by allow
 - Selected EICs with greater range of ship applications
- TYCOM-Selected appear to have non-parts related problems that re-allowancing may not fix:
 - Training
 - Technical Documentation Deficiencies
 - Beyond ship's maintenance capability



System Allowance Technique

Post Re-Allowancing Analysis and Reporting



System Allowance Technique

What will be analyzed?

- EIC Analysis
 - Compare System (EIC) Allowance Effectiveness to Total Class Allowance Effectiveness Average – Re-Allowance if EIC Allowance Effectiveness is Above?
- APL Analysis:
 - Re-Allowance a system to be modernized?
 - Is Configuration accurate?
 - In-Depth Drilldown – could specific APLs be causing low EIC effectiveness?
- NIIN Analysis
 - Provisioning Factors
 - Allowance Overrides/NSAF
 - Maintenance Coding
 - BRF/QPC/QCI

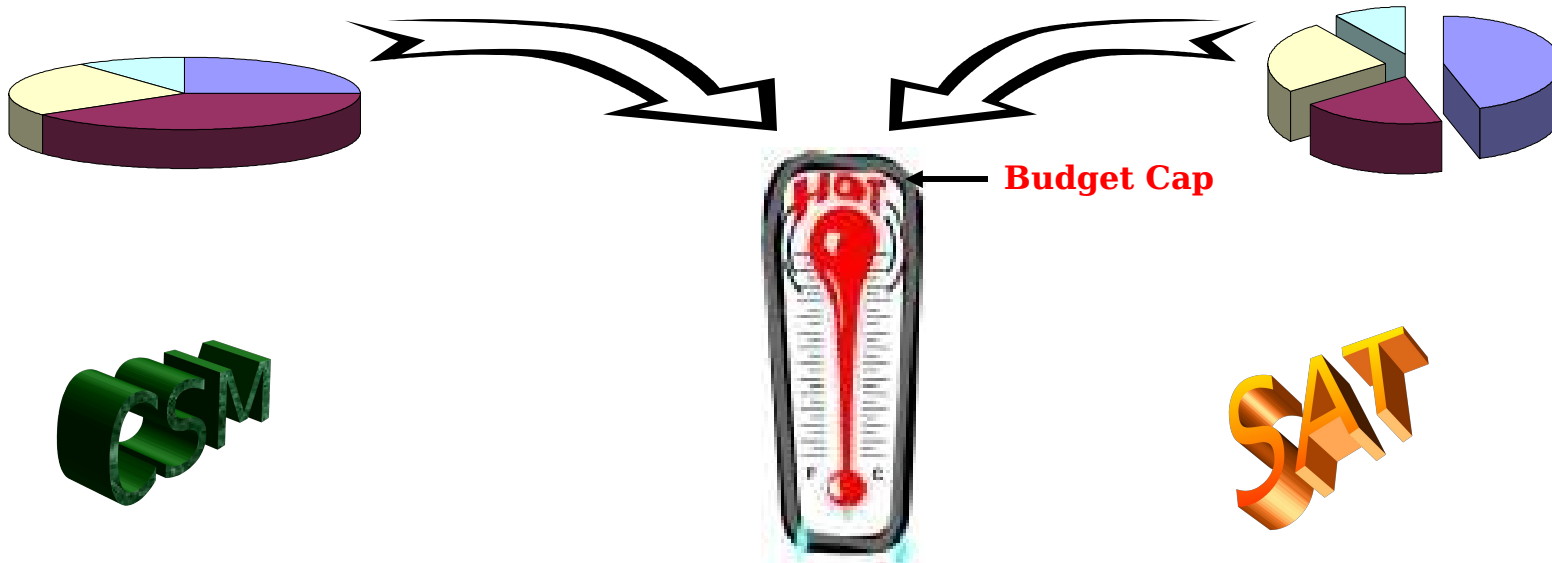
System Allowance Technique

What will be analyzed?

- NIIN Analysis (Cont'd)
 - ACIP ISEA results
 - Identified Configuration Problems
 - Provisioning Problems Identified/Provisioning Problems Corrected
 - ISEAs unfunded to perform maintenance
- CASREP Analysis
 - Total C2/C3/C4 CASREPs by EIC
 - If no reported CASREPs for EIC, do we reallocate?
- Trend Analysis:
 - Deferred Maintenance due to lack of parts over time
 - Effectiveness/Not-Carried Rate over time
 - Other Deferred Maintenance Trends (Deferred Reason Code not reported)

System Allowance Technique

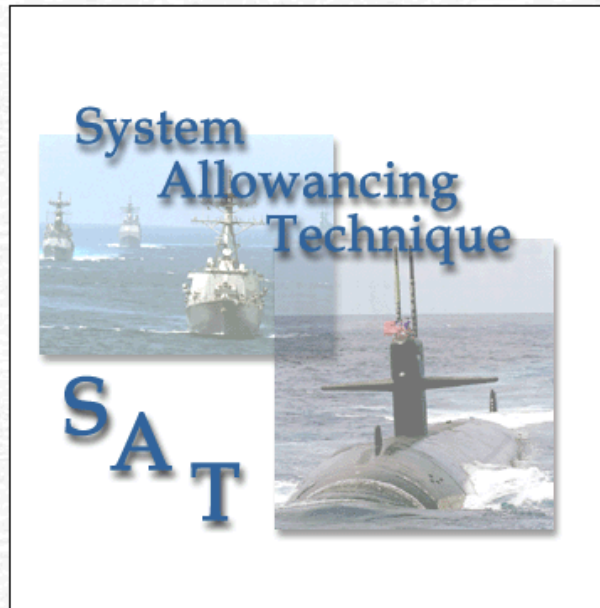
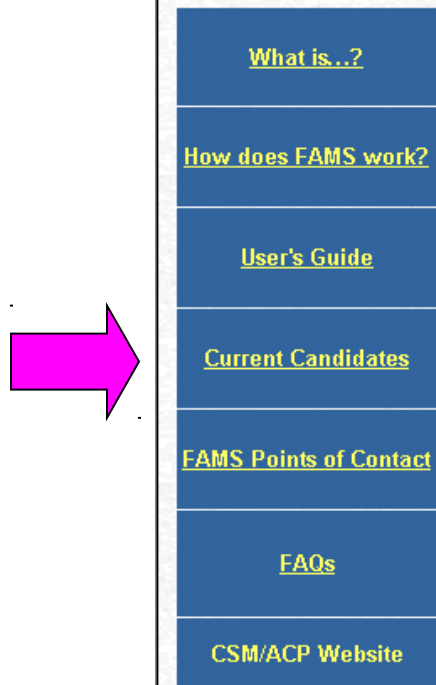
- **Develop Decision Tool/Forum**
 - Expand Allowance Control Panel...ACP to include SAT
 - TYCOM/CINC Menu Selections for Final Decisions via web-based Report Tool
 - Cost Estimator...CILS TAT & SAT



FAMS - SAT

A Notional View of Web Design

Focused Allowance Maintenance Strategy



Working to Improve System and Fleet Readiness

FAMS - SAT

Notional Web View

Navigate to Ship Class/Group EIC Candidates

Focused Allowance Maintenance Strategy

Current Candidates by Ship Class/Group

Ship Classes

- ☐ CG 47
- ☐ DD 963
- ☐ DDG 51
- ☐ FFG 7
- ☐ SSN 688

Ship Groups

- ☐ 'A' Ships
- ☐ CV/CVN
- ☐ 'L' Ships
- ☐ 'M' Ships

FAMS - SAT Notional Web View EIC Candidates

Anticipate further
drilldown from
this page to
include:

- Historical Data Analysis
- APL Analysis
- NIIN Analysis
- CASREP Analysis

Focused Allowance Maintenance Strategy

Ship Class: SSN 688

[FAMS Home Page](#)

FAMS Computer Selected Candidates

EIC	EIC Nomenclature	# UICs	Old DMA	New DMA	Avoided DMA	TOB Impact	ROI
M31H000	AN/WIC-2B(V), INTERCOMMUNICATION SYSTEM	26	37	36	1	\$2,641.36	0.0003786
T503000	REFRIGERATION PLANT, DIRECT EXPANSION (R-12)	25	26	23	3	\$23,456.26	0.0001279
310D000	LUBE OIL SYSTEM	26	16	15	1	\$8,771.80	0.000114
JGV1000	LAUNCHER, VERTICAL	16	41	38	3	\$40,916.82	0.0000733
TB04000	COOLING WATER, ELECTRONICS, DW/CW	26	28	24	4	\$68,308.24	0.0000586
4707000	MOTOR-GENERATOR SET, 60HZ TO DC AND DC TO 60HZ (SUB)	26	23	17	6	\$16,362.29	0.0000516
TH0D000	PRESSURE DRAIN SYSTEM, HIGH PRESSURE	26	17	16	1	\$20,491.63	0.0000488
T311000	CO2 REMOVAL SYSTEM, MK 3	26	65	58	7	\$165,839.80	0.0000422
T302000	ANALYZER, ATMOSPHERE (CAM), MK 1	26	35	34	1	\$31,204.71	0.000032
TG01000	PLANT, OXYGEN GENERATING, ELECTROLYTIC	26	42	36	6	\$334,697.90	0.0000179
HM00000	COMMAND SYSTEMS, TACTICAL	26	23	19	4	\$234,249.97	0.0000171
LB3E000	AN/WSN-2, GYROCOMPASS SET, STABILIZED	16	9	3	6	\$508,726.05	0.0000118
TK01000	DISTILLING PLANT, LOW PRESSURE SUBMERGED TUBE/BASKET	26	73	72	1	\$121,497.47	0.0000082
N871000	AN/WLR-8(V)2, RECEIVING SET, COUNTERMEASURES	26	34	29	5	\$1,006,928.32	0.0000049
410L000	SWITCHBOARD, BALLAST CONTROL	26	20	20	0	\$3.12	0
LE0G000	PERISCOPE TYPE 18B	26	24	24	0	\$14,810.21	0
T30T000	BURNERS, CARBON-HYDROGEN (COH2)	26	14	14	0	\$22,972.56	0
JGV2000	CAPSULE, TOMAHAWK MISSILE	16	11	11	0	\$379.15	0
TF01000	AIR SYSTEMS, HIGH PRESSURE	26	128	128	0	\$128,196.46	0
JG67000	TUBE, TORPEDO, 21 IN SUBMERGED, MK 67 (BOW)	26	18	18	0	\$187,185.58	0

FAMS - SAT

Notional Web View

Navigate to Detailed EIC Information

FOCUSED ALLOWANCE MAINTENANCE STRATEGY

SYSTEM ALLOWANCING TECHNIQUE

EIC Analysis	APL Analysis	NIIN Analysis	CASREP Analysis	Trend Analysis	SSN 688 Candidates	Home Page
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Detailed EIC Information - M31H000 - AN/WIC-2B(V), INTERCOMMUNICATION SYSTEM

EIC Analysis

- Is this system due to be modernized? Yes or No
- This many deferred maintenance actions will be avoided by the SAT process.

Allowance Effectiveness:

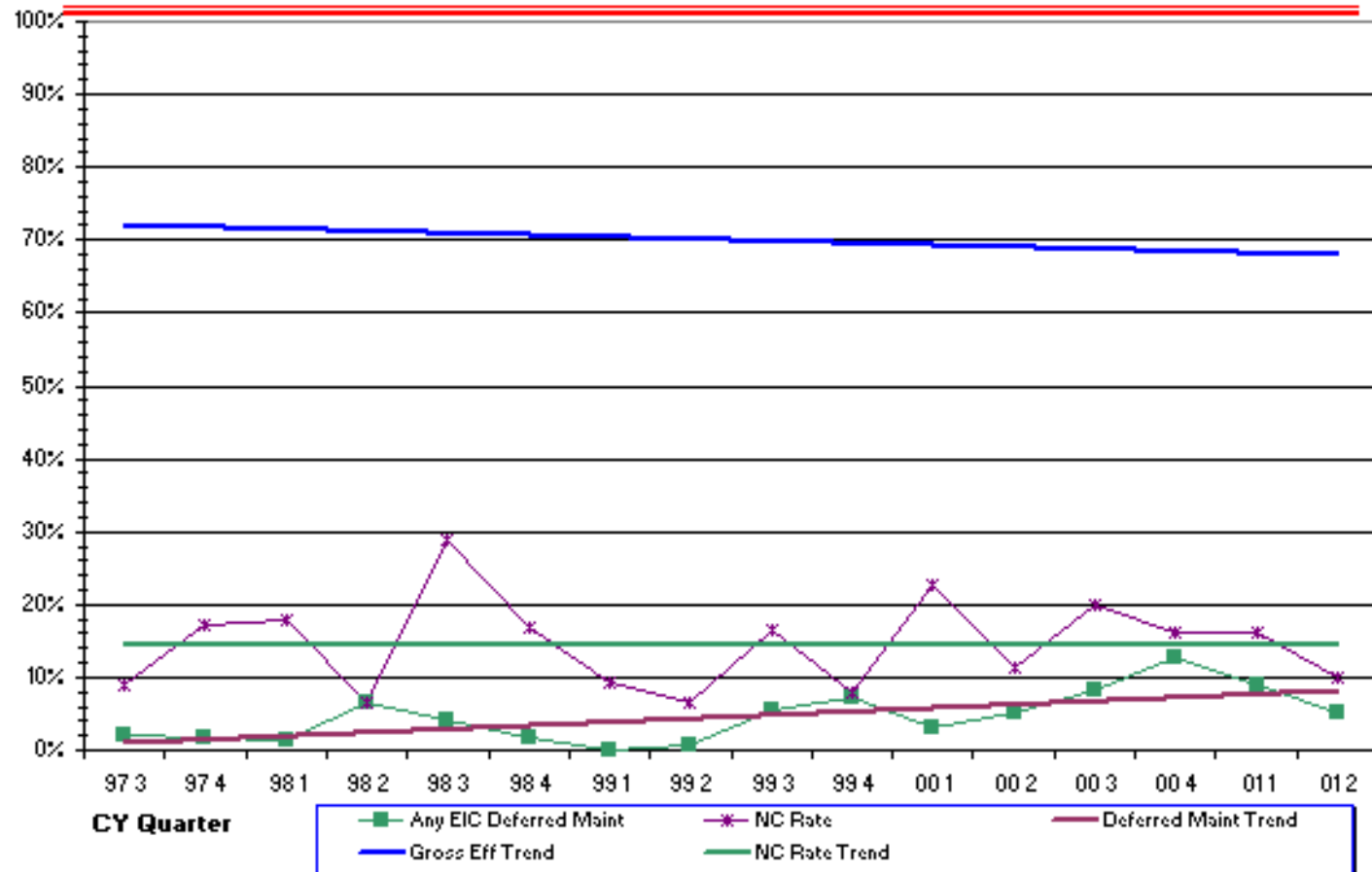
Class Avg All. Effectiveness	Current System Effectiveness	Recalculated System Effectiveness
84.5%	84.51%	86.21%

System Allowance Technique

Potential Area for Analysis

Historical EIC MAD-P

Percent Of Maintenance Actions Deferred Due To Lack Of Parts
(% MAD-P) -vs- Gross Effectiveness -vs- NC Rate for EIC "Any EIC"



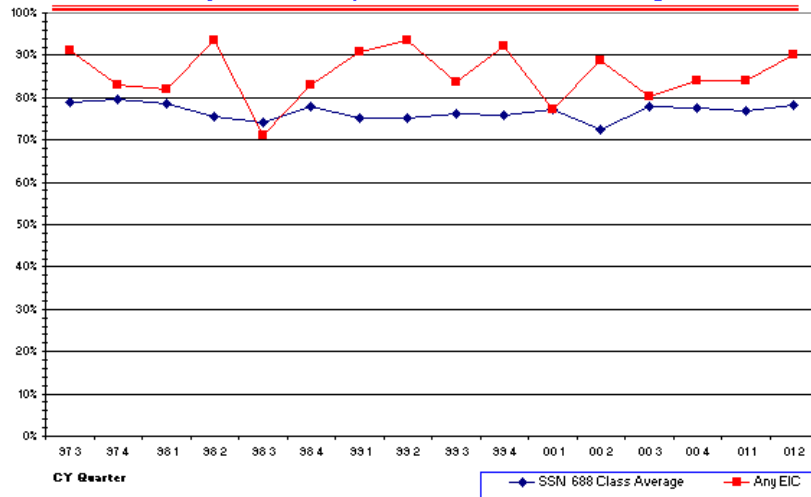
System Allowance Technique

Potential Area for Analysis

Historical EIC Allowance Effectiveness

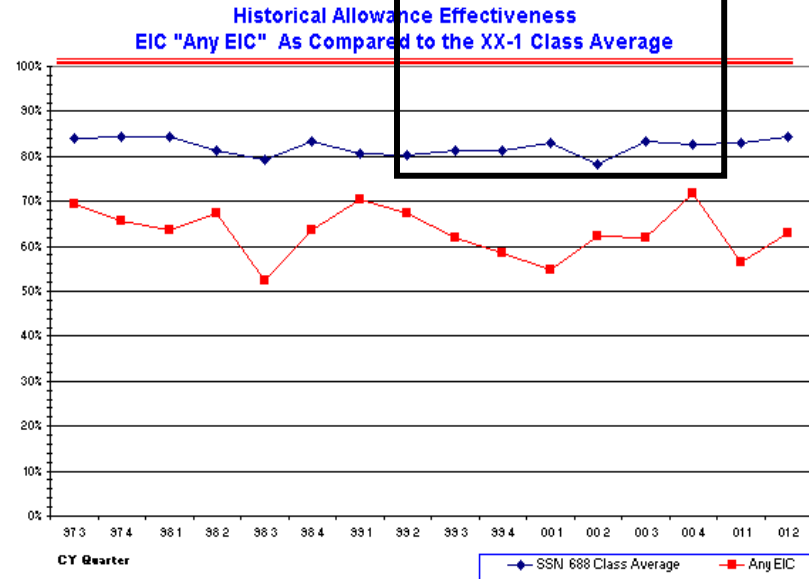
Historical Allowance Effectiveness

EIC "Any EIC" As Compared to the XX-1 Class Average



For systems performing above the class effectiveness average

For systems performing below the class effectiveness average



System Allowance Technique *Summary*

- Complete
 - System Selection Process
- Finalize
 - Re-Allowance Tool
 - Analysis and Reporting Process
 - ISEA Referrals
 - TYCOM Decisions...TAT or SAT you silly CAT!

Automate...Automate...Automate...

Back-Up Slides

FAMS Trouble Equipments

Approach

- Filter 3M records, removing:
 - consumable/OSI material by FSC (using listing already approved for CSM)
 - APL Filters
 - unidentifiable APLs (Spaces, NA, etc)
 - AELs
 - 89000 series APLs
 - *X-RICs
 - *APLs with no parts support/Non-Maintenance worthy equipment
 - EIC Filters
 - unidentifiable EICs (General, etc.)
 - 1000 series - Administration Habitability, Outfitting, Furnishings
 - except 1800 series - Damage Control Storerooms and Stowage Lockers
 - A000 series - Hull Structure
 - T70* series - Lavatory/water closet items, including urinals, showers, etc.
 - U000 series - Support Services, Maintenance
 - Y000 series - Boats, Boat Stowage and Boat Handling
 - except Y500 series - Boats, Aircraft Rescue and Plane Servicing
 - except YA00 series - Boats, Inflatable
 - except YC01 series - Locker, Boat, Life Saving Gear
 - Z000 series - Special/Miscellaneous/Uncoded Items
 - except ZT00 series - Diving Equipment
 - except ZX00 series - Recompression Systems

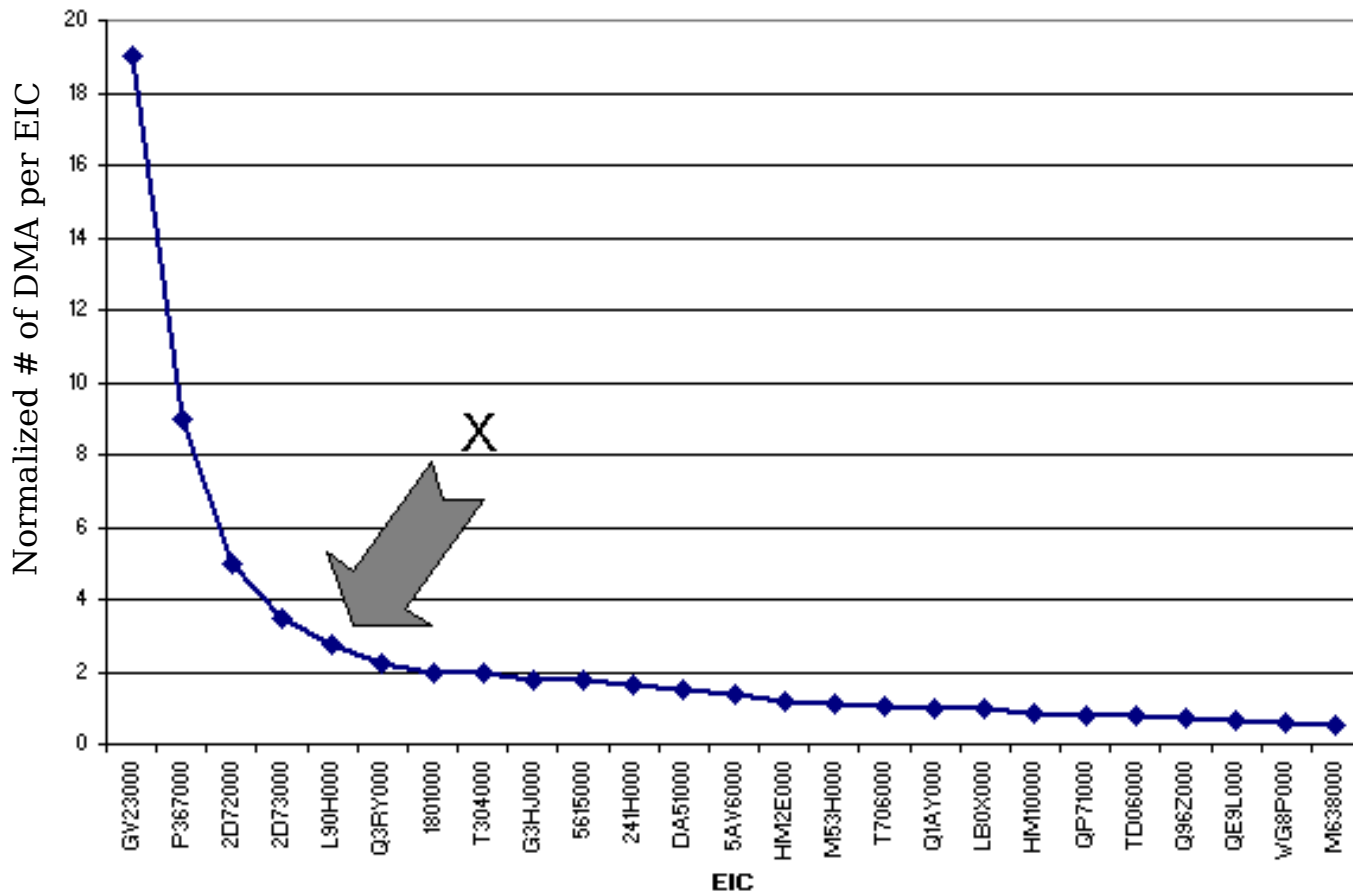
FAMS Trouble Equipments

Approach

- Filter 3M records, removing:
 - ESWBS Filters

ESWBS	ESWBS Nomen	"Definition"
0*	General Guidance and Administration management, planning,	misc admin stuff, including performance, tests, etc.
1*	Hull Structure, General	structure, plating, framing, tanks, platforms, etc.
332*	Lighting Fixtures	
432*	Telephone Systems	
526*	Scuppers and Deck Drains	
5374*	Fork Lift Trucks	
5833*, 5834*	Small Boats & Landing Craft	
584*	Landing Craft Handling and Stowage Systems	
589*	Cranes	
6*	Outfit and Furnishing, General	fittings, ladders, painting, spaces (including commissary laundry)
and		
76*	Small Arms and Pyrotechnics	
8*	Integration/Engineering (Shipbuilder	QA, facilities support, etc.
	Response) drawings, specs., 9*	Ship Assembly and Support Services
F*	Loads (Full Load Condition)	personnel, stores, cargo, etc.
M*	Margins	

Approach for Identification of Top Problem EICs



1. Determine the value of X (the “elbow” of the curve) for remaining records.

The FAMS “Flow”

